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FAX TRANSMITTAL*This is page 1 of 2 pages**By fax no. 1-703-872-9306*

To: **Examiner Mohammed A. Hasan**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

From: **Amy Truscott**

Re: **Replacement Page of Amendment filed 6 January 2004**

Inventor(s): **GELBART, Daniel**
Title: **METHOD FOR CONTROLLING LIGHT BEAM USING ADAPTIVE MICRO-LENS**

Serial No.: **09/837433**
Filed: **19 April 2001**
Art Unit: **2873**
Our File: **C525 0154**

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JAN 07 2004

OFFICIALConfirmation: ☐ follows by mail; ☐ follows by courier; ☒ will not follow**MESSAGE:**

Further to my telephone message of earlier today, please find attached a replacement page 9 of the Amendment filed for U.S. patent application No. 09/837433 on 6 January 2004. This amended page corrects an error in the claim status identifier for claim 54. The claim status identifier for claim 54 now properly reads "Currently amended".

Please do not hesitate to contact our office should you have any questions.

Yours truly,

Amy Truscott
Patents Paralegal

In the event of transmission problems, please telephone Amy Truscott at 604-669-3432 extension 268.

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Amendment to 09/837433 dated 6 January 2004

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single substrate and comprising an independently deformable transparent membrane.

49. (Previously presented) A plurality of adaptive lenses according to claim 48, wherein the independently deformable transparent membranes extend over a single cavity in the substrate and, when deformed, each membrane curves into the cavity.
50. (Previously presented) A plurality of adaptive lenses according to claim 49, wherein the cavity contains a body of refractive liquid and each membrane is in contact with the body of refractive liquid.
51. (Currently amended) ~~An adaptive lens according to claim 32,~~ A micro-electromechanical adaptive lens comprising a deformable transparent membrane attached at its perimeter to a substrate, wherein an amount of deformation of the membrane determines an amount of refraction of a light beam transmitted through the adaptive lens, wherein the membrane separates a first region and a second region, each of the first and second regions comprising a fluid having a different refractive index.
52. (Currently amended) ~~An adaptive lens according to claim 32,~~ A micro-electromechanical adaptive lens comprising a deformable transparent membrane attached at its perimeter to a substrate, wherein an amount of deformation of the membrane determines an amount of refraction of a light beam transmitted through the adaptive lens, comprising an electrode located in a vicinity of the membrane, wherein the amount of deformation of the membrane is determined by an electric field applied between the electrode and the membrane.
53. (Canceled)
54. (Currently amended) ~~A method according to claim 53,~~ A method for varying an amount of refraction of a light